

A NEW ERYTHRONEURA RELATED TO ERYTHRONEURA RUBRICATA (VAN D.)

(Homoptera, Cicadellidæ)

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In visiting various portions of Florida in 1930 on a biological survey trip for the Snow Entomological Collection the grape leafhopper *Erythroneura rubricata* (Van D.) was found to be one of the most common species. The recording of several host plants and the describing of a new closely related species is the object of the present paper.

ERYTHRONEURA RUBRICATA (Van D.)

Typhlocyba rubricata Van Duzee, E. P., Bul. Buf. Soc. Nat. Sc., IX, p. 229, 1909.

Vertex and scutellum dark yellow, remainder of dorsum coppery red, at least in summer specimens. A pale yellow vitta along costa. Face and sternum yellow, venter of abdomen darker.

Genitalia. Pygofer hook single, short, heavy at base, tapering rapidly to narrow, almost parallel-sided, slightly curved shaft. Style with medium foot; heel small but distinct; base of foot almost straight; anterior point short, slightly less than a right angle; posterior point about as long as foot, narrow, projecting at about right angles. Oedagus of less than medium length, more than half as wide as long at base; in dorsal view wide at base, narrowing almost to tip, where it ends in an arrow-shaped head with outer corners of arrow-head projecting backward as sharp spines or hooks.

Three hundred and sixty-six specimens of this species were taken as follows: From *Ascyrum hypericoides* (L.) at Hilliard, Florida; Suwanee Springs, Florida; Wildwood, Florida; Branford, Florida; Inverness, Florida; and Fort Meade, Florida. From *Hypericum densiflorum* Pursh., at Hilliard, Florida. From *Hypericum aspalathoides* Willd. at Loughman, Florida.

Erythroneura mixta Beamer, n. sp.

Resembles *Erythroneura rubricata* (Van D.) in general color of dorsum. It may be separated from that species by the dark face and sternum in both winter and summer forms and usually by the brownish yellow dorsal coloring of the summer

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forms instead of the coppery red of *E. rubricata* (Van D.). The cedagus of the male of *E. mixta* is slender with three hooks at tip while that of *E. rubricata* is broad and flat with two large recurving hooks.

Summer specimens. General ground color lemon yellow darkened to light brown on pronotum, clavus and most of tegmen. Dark dorsum of abdomen lends to this median longitudinal darker area. In many specimens pronotum and scutellum have faint tinge of pink. Venter generally of about same color as dorsum or darker. Legs quite dark, spines of hind tibia fuscous.

Winter specimens. General ground color of dorsum reddish brown to reddish fuscous, lighter toward margins. Venter quite dark, almost black, in some specimens. Spines black.

Genitalia. Pygofer hook single, short, heavy at base, tapering to a rather sharp point, usually more slender than in *E. rubricata*. Style with narrow foot of medium length; heel small but prominent; base almost straight; anterior point short, less than a right angle, not quite so long as foot is wide; posterior point straight, about as long as foot, quite narrow and sharp pointed. Oedagus short, slightly curved in lateral view, tapering from base to tip, where it ends in three narrow, curved, equidistant processes which are about as long as cedagus is wide, extending at right angles to shaft.

Holotype, male, allotype, female, and numerous paratypes, Plant City, Florida, August 15, 1930, R. H. Beamer. Paratype males and females, Ponce de Leon, Florida, P. W. Oman, December 31, 1931. Types deposited in Snow Entomological Collection, paratypes in United States National Museum.

The specimens from Plant City, Florida, were taken on *Hypericum fasciculatum* Lam. The plants were growing about a pool of water located in a wild grass meadow. The Ponce de Leon specimens were taken on *Hypericum aspalathoides* Willd.

A NEW FEATURE

As a measure of economy it has been deemed advisable to publish the minutes of the Pacific Coast Entomological Society in the PAN-PACIFIC ENTOMOLOGIST. The Publication Committee felt this would be better than raising the price of the journal. When times are better and subscriptions come in more promptly separate publications of the minutes can be resumed. In the meantime it is hoped our subscribers will find something of interest in these minutes.—Editor.